

Abstract of the Invention

What is described here is a method of treating and processing alkaloid-, oil- and protein-containing lupine seeds for the extraction of products from the lupine seeds by means of targeted fractionation, whereby the comminuted lupine seed is de-oiled by introducing a solvent and the residue is depleted of substances soluble in the acid range, preferably of alkaloids, by adding acids.

The invention is characterised by the provisions that the lupine seeds are comminuted and/or shaped to form discoid flakes in such a way that after pre-crushing of the shelled or non-shelled seed containing the plant seeds the comminution of the plant seeds is carried out by means of a cooled flocculating roller, and the seed is heated by indirect supply of heat, largely with exclusion of water, and that after de-oiling the depletion of the flakes of substances soluble in the acid range, preferably of alkaloids, is performed by aqueous extraction, with a refined product of a reduced alkaloid level and an aqueous extract being obtained.

producing protein preparations having largely constant functional properties within a wide pH range from roughly pH3 to pH10, by means of extraction from a protein-containing starting material, specifically leguminous plants, cereals or oil seeds.